



Attorney's Docket No. PD-00W022

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Miller  
Serial No. 10/047,100  
Filed: 01/14/2002  
For: SYSTEM AND METHOD FOR  
SUBBAND BEAMFORMING  
USING ADAPTIVE WEIGHT  
NORMALIZATION

Date: June 20, 2003  
Art Unit: 2821  
Examiner: Unknown

RECEIVED  
JUN 25 2003  
TECHNOLOGY CENTER 2800

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Under his duty of disclosure under Rule 35 U.S.C. Section 1.56 the Applicant respectfully submits to the United States Patent and Trademark Office a copy of art cited during a European Patent Search for pending PCT Application No. PCT/US/02/38745.

The art cited from the European search includes five (5) of these references to be of relevance to the present invention when taken into combination with other art.

We include with this Information Disclosure Statement a properly prepared PTO Form-1449 and a copy of the cited references.

Do not hesitate to contact the undersigned with your questions regarding this information.

Registration No. 30,021

Tel. No.: 310.647.2577  
Fax No.: 310.647.2616

  
Leonard A. Alkov, Attorney for Applicants

Raytheon Company  
P.O. Box 902 (E4/N119)  
El Segundo, CA 90245-0902



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

<b>Complete if Known</b>	
Application Number	10/047,100
Filing Date	01/14/2002
First Named Inventor	Miller
Art Unit	2821
Examiner Name	Unknown
Attorney Docket Number	PD-00W022

## Sheep

1

of 1

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Type
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 1 162 687	12/12/2001			
		EP 0 963 003	12/08/1999			
		WO 99 33141	07/01/1999			

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.